

# Redstone Rocket

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March 28, 2001

## Military youngsters have month of their own in April

### Many family events planned for Month of Military Child

By SKIP VAUGHN  
Rocket editor

Military children don't really have a hometown. Usually they move from place to place. They go to various schools. They have to try to meet new friends at different places.

In short they face more obstacles growing up than most youngsters. That's why they deserve at least a month of recognition.

So, the Month of the Military Child is dedicated to the more than 800 military youngsters here. And Redstone extends its April observance to their civilian counterparts as well.

"The theme is Caring Hands—Caring Hearts," Shellie McDonald, training and curriculum specialist for Child and Youth Services, said.

Month of the Military Child, "Celebrating With Redstone's Children," will feature family events for the entire Redstone community.

Sponsors include Youth Services, Child Development Center, Family Child Care, School Age Services, ChildWise, and Army Community Service.

The Week of the Young Child was established in 1971 by the National Association for the Education of Young Children to focus attention on the rights and needs of young children. The Army expanded its April observance to a month for military children in 1982.

"We're going to begin with the kickoff parade (April 2) and the chain of command will be involved," McDonald said. Col. Brent Swart, the deputy post commander, is to address the parade scheduled 10 a.m. April 2 in front of the Child Development Center.

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Photo by Skip Vaughn

**SAND-SATIONAL**—Two-year-olds playing in the sandbox at Child Development Center include, from foreground, Ethan Ledermann, son of Sgt. Scott and Edna Ledermann; Victoria Bolin, daughter of Spec. Jeffrey and Karla Bolin; and Brandon Short, son of SSGT. Brandon and Sgt. Todossii Short.

## Tactical missiles on fast track toward transformation



Photo by Skip Vaughn

**OBJECTIVE VIEW**—Maj. Gen. Joe Cosumano, director of Task Force Objective Force, speaks during the Tactical Missile Conference. He has been nominated for lieutenant general and commander of the Space and Missile Defense Command.

### Third annual conference details future programs

By SKIP VAUGHN  
Rocket editor

Today's Army must change to meet tomorrow's threats. That was among the messages March 21 during the third annual Tactical Missile Conference sponsored by the Redstone-Huntsville Chapter of the Association of the U.S. Army. The theme was, "Missiles Supporting the Army Transformation."

"The force we have today is not the kind of force for tomorrow," Maj. Gen. Joe Cosumano, director of Task Force Objective Force, said during his presentation. He has been nominated for lieutenant general and assignment as commander of the Space and Missile Defense Command.

With weapons proliferation worldwide, the Army must transform into an objective force to meet an evolving threat, according to Cosumano. Technology plays an important role in that transformation. Precision weapons aren't enough any more. "We need to have smart weapons," Cosumano said.

Tomorrow's battalion must be equipped to see first, understand first, act first and finish decisively on the battlefield. The Future Combat System, slated for fielding by 2010, is part of that strategy.

"Many systems in the field today will become members of the Objective Force," Cosumano said.

Brig. Gen. John Holly, program executive officer for tactical missiles, described the current programs in his organization. He also explained how the Program Executive Office for Tactical Missiles is supporting the Army's transformation into a lighter, faster force.

"The soldiers are the key to the Objective Force, don't ever forget that," Holly said. "We and the contractor community provide the enablers to allow the soldiers to do their job."

More than 250 people attended the two-day conference at the Huntsville Hilton. A golf tournament, originally scheduled for March 20, was postponed to March 22 because of rain.

"I think we begin to understand a little detail of some of the direction of the various groups within the Army," Mike Swaney of BAE Systems, Nashua, N.H., said of the conference. "Everybody's on the same track."

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## Letters to the editor

### Military courtesy is cream of crop

The military and civilian families of the Bicentennial Chapel at Redstone Arsenal hosted an advanced St Patrick's Day potluck dinner on Saturday evening, March 10 for about 55 Advanced Individual Training soldiers, and 11 Marines who were attending a five-month school from the Marines Detachment. As the Army AIT soldiers disembarked from their vans and began to march in column to the Activity Room where the 11 Marines and other guests were, I jokingly told the Marines that their competitors (for the food line) were marching in. Instantaneously, the 11 U. S. Marines jumped from their chairs and snapped into attention with military precision as if they were expecting an officer until the last AIT soldier of the first group entered the room. As a former Army infantryman, I was impressed by the military courtesy these 11 young Marines extended to their counterparts in the Army.

A few minutes later, at the request of the chaplain, Lt. Col. Al Rodriguez, I inadvertently became the only civilian who had the honor and audacity to sit and eat with the 11 Marines at the same table. I asked the Marine next to me why she chose the Marines among the different branches of service. The Marine politely replied, "Sir, the training is tougher and I enjoy the challenge!" That statement from a young 18- or 19-year-old Marine showed a high caliber of maturity with physical and mental courage, backed by a rigorous Physical Training program that included a 10-mile run daily after waking up at 0415 hours (4:15 a.m. for civilian term)!

After the delicious homemade dinner, the Marines emptied their paper dishes and foam cups, leaving the paper tablecloth as spotless as if it had never been used! Several Marines on their own initiative (nobody gave order to others as they were all equal rank: E-2, private first class) went through the food line a second time to get some food for their fellow Marines who were on duty and thus unable to come to the dinner.

The military courtesy, discipline, politeness, good table manner, sensibility, camaraderie, consideration for others, and maturity displayed by these 11 young 18- or 19-year-old Marines reflected the good upbringing by their parents at home and/or drill instructors at boot camp. These few young Marines, together with the Army AIT soldiers, were the cream of the crop and have raised the threshold for future recruits to attain to become professional Marines and soldiers! Seeing such high caliber achievers made me realize that the Team Redstone esprit de corps was alive and well, and would continue to flourish as we move into this new millennium!

Thus, I challenge my fellow Army civilian workers and our supporting contractors to maintain the same high standard, motivation and efficiency as these young Marines and Army soldiers in providing the U.S. military the best and most reliable and economical software and hardware in all our weapons systems and first-rate logistics support. Then, we can call ourselves the best (civilian work force) of the best military in the world! Second to none! Hooah!

**John Yim**

### Product office manages Air Warrior

In an article titled "Virtual tour gives helicopter pilots a preview of new flight gear" in the March 21 edition of the Rocket, you quoted Tim Jones of LME Inc. about the Air Warrior system. We would like to clarify that the Air Warrior project is managed by the Product Manager, Aircrew Integrated Systems

(PM ACIS) of PEO Aviation.

PM ACIS is not associated with PEO Tactical Missiles as stated in the article. We would gratefully appreciate a correction of the article.

**Melanie Barksdale**  
Product Manager's Office  
Aircrew Integrated Systems

### Compensatory time off available

The article "Army study reviews labor act exemptions" in the March 21 edition of the Redstone Rocket quotes me as saying, "The supervisor cannot give them (nonexempt employees) comp time." I did not make this statement as it is incorrect and conflicts with provisions in Title 5 of the Code of Federal Regulations (CFR).

What I stated during the interview for this article is that nonexempt employees are entitled to payment for overtime worked and supervisors cannot require

them to accept compensatory time off in lieu of overtime payment.

A provision in Title 5 of the CFR does allow a supervisor, at the request of the nonexempt employee, to grant compensatory time off instead of payment for an equal amount of irregular or occasional overtime.

**Jodie Massar**  
chief, Customer Focused Division A,  
South Central Civilian Personnel  
Operations Center

### Instructor hits pay dirt with Javelin suggestion

#### Missile system idea cited for good sense

By Sgt. SHARON McBRIDE  
Staff writer

The Army's "Good Ideas Make Cents" program means extra dollars for winning submitters.

And SSgt. Scott Roth, an instructor/writer for 27E, Land Combat Electronic Missile System Repairer at the Ordnance Missile and Munitions Center and School, took advantage of this opportunity. As a result he's receiving more than \$2,000 from the Army for his adopted suggestion.

Sound too good to be true? Well, that's what Roth thought, too.

"I've spent 12 years in the Army," he said. "Now I know that programs like this work."

Roth's simple idea will end up saving OMMCS and the Army loads of money. As an instructor, Roth teaches students how to repair and maintain several weapon systems, to include the Javelin, an antitank missile system.

Roth's idea was to add two screws and drill out two other small holes in the Javelin's housing area to prevent the misalignment of two small pins. Before

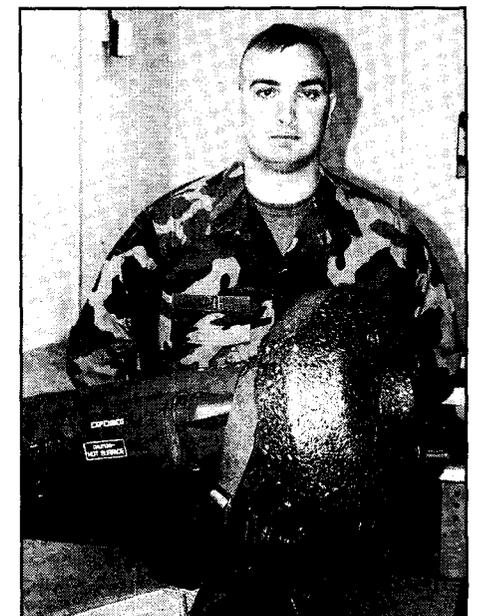


Photo by Sgt. Sharon McBride  
**ON TARGET**— SSgt. Scott Roth, a 27E instructor for OMMCS, is getting an added bonus to his paycheck courtesy of the Army's "Good Ideas Make Cents" program. Roth's idea will save thousands of dollars in maintenance to the Javelin, an antitank system.

Roth's additions, it wasn't uncommon for the pins to get misaligned resulting in

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## Redstone Rocket

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# Director's real life reads like spy novel

## Clyde Walker spends career serving Intelligence Center

By SANDY RIEBELING  
Staff writer

Landing the director's job at the Missile and Space Intelligence Center was a career dream for Clyde Walker.

He's spent most of his near 40-year career in the field of missile intelligence. When he talks about what he does, the mission of the organization, his face lights up. It's easy to see there's no place Walker would rather be.

"We study foreign missile systems," he said, offering a simple explanation of what MSIC does. "There are more than 200 missile systems that we are currently following. We find out what other countries have, what kind of threat it poses to our troops and aircraft, and then develop countermeasures."

Countries such as Russia, a major missile supplier to the world, and China, are constantly developing new technologies and upgrading missile systems. Countries that buy those foreign systems, like Iraq, make additional modifications to suit their own mission, which makes the technology even more complex. The United States needs to know which countries have which systems and how to counter the threat.

"We had an event a couple of years ago when a few of our aircraft were shot down near Kosovo," Walker said. "It was on a

weekend. We called everyone in. In less than 12 hours we knew what caused it and what to do about it. We have to be able to respond quickly to changes in enemy systems and develop countermeasures. That's what we do."

MSIC studies surface-to-air missiles, short-range ballistic missiles, ballistic missile defense systems, antitank guided missiles, ground-based antisatellite weapons, directed energy weapons and associated command, control, communications and computer systems.

Walker describes part of the analysis as reverse engineering. MSIC obtains a foreign missile system, like the Russian SA8, and tears it apart, piece-by-piece. Many times experienced engineers can predict the improvements and changes in technology they expect to see with later models. Developing threat data and countermeasures are primary responsibilities, but the data can also be used to improve designs of our own weapon systems.

Partnership with organizations on post is very important to Walker. MSIC is able to take advantage of the technical equipment and expertise of personnel, labs, engineering and testing facilities on Redstone and in the Huntsville area, making its location on the Arsenal, "the best place in the world to be."

"We want to know what's here, what we have available to us to aid in the analysis, but we also want to be good partners to the organizations on post. We need to

See Walker on page 5



Photo by Sandy Riebeling  
**NEW DIRECTOR**— Clyde Walker was named director for the Missile and Space Intelligence Center in October. He stands next to a Russian SA8, just one of hundreds of foreign missiles his organization studies.

## 100th Sentinel radar rolls off production line

The 100th Army Sentinel radar rolled off the production line March 13 at Raytheon Company's Forest, Miss., manufacturing facility.

Officially known as the AN/MPQ-64, Sentinel is a three-dimensional radar used to alert and queue short-range air defense weapons to the locations of hostile targets approaching their front line forces. Sentinel radars have been fielded to the majority of the active forces; fielding to the Army National Guard units began in February 2000.

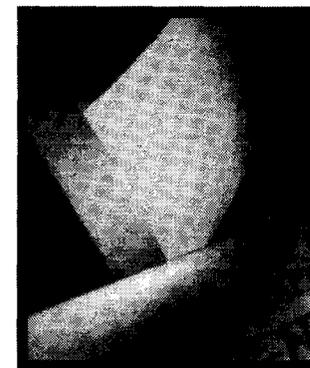
Maj. Gen. Stan Green, commanding general and commandant, Air Defense Artillery Center and School, Fort Bliss, Texas, was the keynote speaker at the March 13 event.

"Today, thanks to a superb military-contractor team effort, the 100th Sentinel radar rolled-off the production line," he said. "The Sentinel system is a vital component of our Army's divisional air and

missile defense forces, both in our active and National Guard battalions. Since we began fielding the Sentinel in 1997, it has been the pride of our soldiers and has provided critical targeting information to our gunners. At the same time it continues to receive rave reviews from our division commanders as they are finally given the opportunity to have real time situational awareness of the airspace over their troops.

"This capability is not only for today's battlefield, but indeed it continues to lead our forces into the 21st century. The Sentinel represents the best of our vision for a transforming Army that is light, deployable and reliable, and it ensures that our soldiers, and indeed the joint force of the 21st century, remain protected."

Sentinel is managed by the Short-Range Air Defense Project Office at Redstone Arsenal.



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# Senior NCO rates success as taking care of others



Photo by Sgt. Sharon McBride

**BEHIND THE WHEEL**— SFC Joanna Brunson, of the Directorate of Instruction in the Missile and Munitions Center and School, is among the women in leadership positions throughout the Arsenal who are recognized during Women's History Month. She credits her success as having an eye for detail and taking care of soldiers.

## Sergeant first class leads by example

By Sgt SHARON McBRIDE  
Staff writer

Strong female leadership. That's what this year's Women's History Month is dedicated to: "Women of Courage and Vision."

These are women who have made significant contributions to the military, their families, their communities and others.

They include SFC Joanna Brunson, the senior training management NCO at the Directorate of Instruction, Ordnance Missile and Munitions Center and School.

Brunson joined the Army in 1982 when she was 32.

"I came into the military because I wanted a change from the routine life as an accountant," she said. She also wanted to expose her three children to other lifestyles and cultures. "I wanted to show them that there was more out there than our hometown of Baltimore, Md."

At first her recruiter wanted to make her a cook.

"But I wanted to be something meaningful," she said. "If I was going to give my life for my country, I wanted to die for a reason, and 55B (ammunition specialist) suited my needs."

She had her first leadership experience at basic training.

"We came into our barracks and our drill sergeant said, 'This is your home now, I want you to leave this place the same way you found it!'"

Brunson said she immediately toured the barracks but was disgusted at what she found in the bathroom. She immediately brought it to her drill's attention.

"I said, 'Drill Sergeant, I don't think you want us to leave this place looking like this,'" and then he inspected the barracks area and he said, 'You're right I don't.'

Soon after that he appointed her as platoon guide.

That's when things started to get interesting.

"The whole time I was there, the soldiers in my platoon gave me a hard way to go," she said. "There were 42 of us. But all those females came up to me and my dad at graduation. Every single one hugged me and thanked me. They all said that if it weren't for me they wouldn't have made it through."

## Army women's history Last of a three-part series

"I told my dad I never wanted to see another leadership position," she said. "And he said, 'Don't worry... you will.'"

And he was right.

It was while stationed in Miesau, Germany that she faced some real challenges.

"I made up my mind that I did not want to be an NCO," she said. "Our NCOs were up at 4:30 a.m. banging on doors at the barracks to get us all up and they were the last ones we saw at night."

"They took care of us soldiers in every aspect. They prepared us for the future technically. They taught us

See Brunson on page 5

## WESTWIND TECHNOLOGIES CORPORATION

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## Senior training NCO offers career advice

### Brunson

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social skills in dealing with each other and people of all ethnic groups. When I realized the amount of responsibility they had, I didn't want it."

But obviously she changed her mind.

Brunson has held several leadership positions throughout the years to include squad leader, section NCO-in-charge, platoon sergeant, Personal Reliable Program/Security NCO and battalion/company movement NCO. She is the senior training management NCO responsible for getting ammunition for OMMCS-DOI. In addition, she is the NCO-in-charge for Redstone Arsenal Military Honor Team, and the equal opportunity NCO for D Company, 832nd Ordnance Battalion. But it was in Mannheim, Germany as a sergeant that she faced her biggest challenge because of her gender.

"When I first came in, women were not desired to be working in the line units within the military," she said. "Some of the men felt like we just couldn't handle the job (55B). Some felt the Army was no place for a woman."

It was during a 45-day training exercise that her leadership, made up of mostly men, began to see her and other women in her unit in a different light.

"We didn't cry about the (cold and icy) conditions, we just got the job done. We ended up earning their respect," she said.

But the challenges didn't stop there. Later while stationed in Mannheim, she was able to create and implement a driving school for the soldiers. It was the first of its kind within the 202nd Support Battalion.

"By the time everyone left there, they were not only able to drive an automatic and a standard but they were able to drive their assigned vehicles once they got to their unit," she said. Her success rate for the class was 99 percent for first time "goes."

She's handled other classes and challenges in her career with just as much success.

She made it through some of the toughest training the Army has to offer when she learned how to ship hazardous material. She was elected to go through the course for her unit.

"There wasn't any room for failure," she said. "One failed exam disqualified you from the course. There were no opportunities for a second chance. It was such a critical job, because one mistake in the field can cost lives."

And she's earned other accolades in her career.

She was a sergeant when she earned a meritorious service medal for handling ammunition at battalion and brigade level, and setting up training and evaluations for numerous units as well. "With the help of the brigade command sergeant major, the brigade ammo master sergeant and my NCOIC, I received the MSM for my services rendered from 1992 (Germany) to 1996 (Fort Lewis, Wash.)."

It's this type of attention to detail that has carried her successfully throughout her career.

"Women are always being challenged to prove their technical proficiency," she said. "Sometimes we have to go one step further to prove that we know what we know."

"And as NCOs we are expected to be knowledgeable," she added. And that's also her advice for other soldiers who are coming up through the ranks.

"Study a lot. Know all the appropriate manuals that will help you to be a good leader as well as those applicable to your (military occupational specialty). How can you be a good leader if you don't know? You can't take care of soldiers without the knowledge and you can't lead them if you don't know your job."

And it's always good to seek out a mentor, she said.

"Choose someone successful," she explained. "Someone who has come up through the ranks honestly and that has led by example. Someone who can teach you something. That's what I did."

Brunson credits CSM Bernier, an infantry Vietnam veteran who believed in taking care of soldiers and training the way you fight.

"I learned a lot about survival in wartime conditions from him which made it a lot easier when I had to take my section and prepare them for Bosnia," she said.

And listen to those who are junior to you, she added. "A lot of senior NCOs tend to not want to listen to their junior enlisted," she said. "They have a lot of good ideas. They're fresh and have innovative ways of looking at things that you might not see."

"Also treat them like people. Sometimes your success is dictated by the people who work for you and under you. When you take care of soldiers the right way, in the long run they will take care of you."

"I really feel like I have accomplished something when soldiers come back to me and thank me for helping them in some form or fashion," she said. "Knowing that I have made a difference in helping soldiers to accomplish their goals in the military makes a world of difference."

## Intelligence Center has new director

### Walker

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open and maintain the lines of communication so that we can all benefit from each other."

Goals for MSIC are intertwined with the goals of its parent organization, the Defense Intelligence Agency. The four main thrusts include asymmetric warfare, interoperability, human resources and data base attack. This boils down to knowing the threats out there and remaining king of the mountain by making systems and information flow work together, as well as maintaining a trained work force that represents the cultural diversity of America.

"One of our biggest challenges, our biggest concerns, is to make sure there's no technological surprises out there," Walker said. "We have to understand outside technology, things we aren't already working with. If we haven't ever seen it, we can't anticipate the responses and we won't know what to do. So far, we've been successful at keeping up, thinking ahead, but there's always something new being developed somewhere."

Keeping up with the Joneses from around the world isn't an easy task and one that leaves little spare time.

"I don't have a lot of time to pursue my hobbies," Walker said. "I like to fish and

hunt and I used to do wood carving. I love to read spy novels when I have the time." Tai Chi is the one activity that Walker has managed to hang on to for the past two years. "It's a way to clear your mind and keeps your body working. I also managed to get out and do a little landscaping from time to time. I enjoy that, too."

Walker, an Auburn and University of Alabama graduate, considers himself an Alabama native. He was born in Florida but moved near Auburn when he was 10. "I consider myself an Alabamian and Huntsville as my hometown," he said. "I did my co-op work here at the Missile Command when I was going to college at Auburn. My wife, Amy, is a native Huntsvillian. My son, Jeff, still lives here."

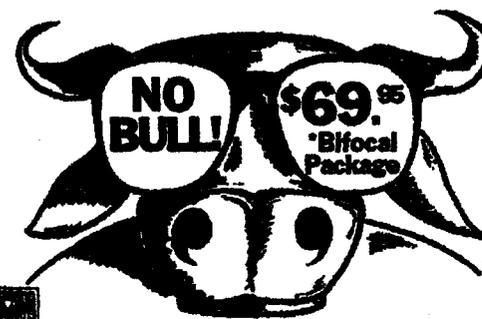
After graduating from Auburn, Walker worked for NASA for five years on the Saturn V moon rocket program. He came to work at the Missile Intelligence Agency (now MSIC) in 1968. Except for the three and a half years he spent in Washington, D.C. as the deputy director of the U.S. Army Intelligence and Threat Analysis Center, he's spent his career at Redstone. He worked up through the ranks to the deputy director position in 1998. He was named director of MSIC last October.

"Becoming an SES, getting this position, was one of the best moments of my life," Walker said. "What a way to finish a career— getting the job you'd like to have the most."

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# Program spotlights famous women throughout history

## Redstone honors women of courage and vision

By SANDY RIEBELING  
Staff writer

Redstone's women's history program Thursday was a celebration with sentiment, pride and just a little bit of attitude.

There were no apologies for being a woman when SSgt. Erica Hines sauntered onto the stage in an eye-popping red evening gown giving the audience an earful of what it is to be a "phenomenal woman."

After a welcome from Col. Ed Stone, AMCOM chief of staff, the audience in the Bob Jones Auditorium was treated to an a cappella solo by Elizabeth Hurt of Space and Missile Defense Command. As she sang the empowering words of the Bette Midler original "Wind Beneath My Wings," a slide show was presented on the screen. While many of the slides pictured famous women and their contributions to history, some showed ordinary women, the heroes of the Redstone community who are making the history of tomorrow.

"Throughout history, whether it was in the home, instilling values and traditions, or on the battlefield risking and sometimes sacrificing life and limb, women can be found courageously striving to make our world a better place," Stone said. "By acknowledging the great contributions and achievements of women both past and



Photo by Sandy Riebeling

**CELEBRATING WOMEN—** Guest speaker Marian Guidry, program analyst, Apache Attack Project Office, and book author, talks with several women after the Women's History Month program Thursday at the Bob Jones Auditorium. Delta Company soldiers, from left, include SFC JoAnna Brunson, Capt. Debbie Schneider, and 1st. Sgt. Renee Kelly, holding a first place trophy from the static display contest awarded to D Company, 832nd Ordnance Battalion.

present, we hope to educate all and perhaps to inspire others to dream and achieve."

The program also included a "Who Am I?" segment with recitals by women and men, civilian and military. Some of those featured included Mother Theresa, author Lillian Eugenia Smith and architect Maya Lin.

Marian Guidry, program analyst, Apache Attack Project Office and novelist, was the guest speaker. She reminded the audience of the struggles women faced to get to this point in history. She reminded attendees that the pioneers were not

heroes in their own time and that we may never fully understand the depths of sacrifice women, those in the limelight and those in the shadows, have made to make this country great.

"The history of women serving in defense of our nation began more than 200 years ago with women who served in the American Revolution and continue with those who serve today," Guidry said. "Ironically, women served in military roles long before they were allowed to vote.

"Albert D. J. Cashier served in the

Union Army where she joined the 95th Infantry," Guidry said. "It was not determined that Albert Cashier was a woman until 1913 when she received medical treatment at the all-male nursing home where she was staying.

"Frances Hook is also believed to have joined the Illinois Infantry early in the war as Frank Miller. She was captured by the Confederate Army near Florence, Ala., in 1864. It was not determined that she was female until she was sent back north at the end of the war."

Guidry spoke of the strides women have made in politics, social causes, military services, sports and career advancement in traditionally male roles. Following her inspirational words, Sandra Haygood Gibbons sang a solo, "You'll Never Walk Alone."

Awards for the women's history month display and essay contest were presented by Col. Stephen Taylor, commandant, Ordnance Missile and Munitions Center and School.

Display winners included D Company, 832nd Ordnance Battalion, first place; AMCOM, Rosie Douglas and Pricilla Caraway-Vinson, second place; and B Company, 832nd Ordnance Battalion, third place.

Essay winners included SSgt. Tildon Morgan, HHC 59th Ordnance Brigade, first place; Patricia Kurth, Logistics Support Activity, second; and Susan Thomas, OMMCS, third.

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Contest runs from March 7, 2001 until February 27, 2002. You do not have to be present to win. All you have to do is find the Rocket contest page located somewhere in this paper. Fill out the entry form and drop by any of the participating businesses found on that page. Contest will have one winner per week for 52 weeks. A winner will be randomly drawn each Wednesday from all entries received. Trips do not include transportation. Each 4 day/3 night vacation package includes accommodations, double occupancy for two adults. Approximate retail value is \$599.98. Thirty-five day notice required to reserve room. Some restrictions or black out dates may apply. Trip must be taken by May 31, 2002. You may enter as many times as you like, but only one vacation per family will be awarded throughout the duration of the contest. You must be 18 years or older as of date of entry and legal resident of Alabama or Tennessee. Employees and families of The Huntsville Times and participating merchants are not eligible. Income and other taxes, if any, are the sole responsibility of the winner. Odds of winning are based on the number of entries received. Subject to all federal, state, and local laws and regulations; void outside Alabama and Tennessee and where prohibited. No substitution for prize except by sponsor in case of unavailability in which case a prize of equal or greater value will be substituted. The Huntsville Times has no responsibility or liability to the winner or any participants, once a winner is determined, other than that which is set forth herein. Acceptance of prize constitutes permission to use winner's name and likeness for advertising and publicity purposes at the discretion of the sponsors without additional consent or compensation, except where prohibited. The winner may be required to execute an affidavit of eligibility and winner and guests may be required to execute a liability/publicity release which must be returned within 30 days of notification or an alternate winner may be selected. Decision of the judges is final. Mechanically reproduced entries will not be accepted. For the name of the prize winners send a self-addressed stamped envelope to Contest Winners List, c/o Huntsville Times, P.O. Box 1487 WS, Huntsville, AL 35807 after 3/6/2002.

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# Army could have been first in international space race

*Ex-Redstone employee recounts working with von Braun team*

By **BETH SKARUPA**  
Staff writer

Joe Moquin has some interesting stories to tell. He was dining at the Redstone Arsenal Officers Club on Oct. 4, 1957 with the newly-appointed secretary of defense Neil McElroy, Maj. Gen. John Medaris, Dr. Wernher von Braun, his rocket team and others when they first received the news that the Soviet Union had launched Sputnik. They had gathered for dinner after a day of briefings on the Jupiter intermediate range ballistic missile.

"The news was devastating to the team. It was an absolute shock," Moquin said. "When he heard the news General Medaris said, 'We'll have a different briefing tomorrow.'"

The next day, the briefing on Jupiter was discontinued. Instead, McElroy was told how the U.S. could have been first in space if the Army team had been allowed to develop the world's first earth orbit device.

*'There was never a more exciting, significant three years with such great accomplishments than those three years developing the 1500-mile nuclear warhead missile.'*

— Joe Moquin  
Army Ballistic Missile Agency (1956-58)

"Von Braun said, 'Mr. Secretary, we can launch an object into space within 60 days,' but General Medaris interrupted saying, 'Wait a minute, with the logistics involved we should probably say no less than 90 days.' The secretary was very impressed during that briefing," Moquin said. "When he took office, I think there was one more failure of (the Navy's satellite program) Vanguard and then he gave the authorization to the Army to launch their device."

Moquin began working as chief of management services for the Army Ballistic Missile Agency at Redstone Arsenal in 1956. He had been teaching at the Ordnance



Photo by Beth Skarupa

**MAN OF HONOR—** Joe Moquin, who served as chief of management services for the Army Ballistic Missile Agency, 1956-58, and as chief management engineer for the Army Ordnance Missile Command, 1958-59, poses with a bust of his hero and former boss Gen. John Medaris. The bust is displayed in the lobby of the command suite at the Aviation and Missile Command headquarters.

Management Engineering Training Program in St. Louis, introducing the Ordnance Corps to modern methods of management and manufacturing.

Moquin was invited by Medaris to work on the "1500-mile missile," also known as the Jupiter system. It was a unique situation because the Army had no operational responsibility for ground missiles beyond about 500 miles, Moquin said. The government assigned the mission to both the Army and the Air Force.

Initially, the plan was to develop both a ground launch and a sea launch missile. Both the Navy and the Air Force were involved with the Army until the Navy withdrew from the program. The Army and the Air Force were to develop similar missiles independently.

Tactical responsibility for the Jupiter program was assigned to the Air Force, allowing the Army to provide a transfer of the knowledge from the von Braun team to the Air Force. Also, the team was instructed not to put an object into earth orbit because the government wanted a non-military vehicle to launch a satellite as part of the International Geophysical Year program.

"We always thought it was kind of crazy that they gave (that mission) to the Navy," Moquin said.

But one thing had to be done for the 1500-mile mis-

sile. It had to reenter the earth's orbit. There was a disagreement between von Braun's team and the Air Force on how to do this – the Army team with von Braun was convinced they would do it by using ablative material while the Air Force wanted to use a heat sync material.

The Army launched a test vehicle using ablative material May 15, 1957. Although the nose cone was not recovered, instrument contact with the cone through reentry indicated that the ablative material was successful.

"That vehicle could have put an object into earth orbit," Moquin said.

On Aug. 8, 1957, the ABMA successfully launched a modified Redstone missile named the Jupiter C Missile RS-40. Moquin said the ablative material survived reentry and this time the nose cone was recovered in the South Atlantic. It eventually was "broadcast by President Eisenhower it was so significant an event."

After the Soviet Union's launch of Sputnik, the secretary of the Army wrote to the secretary of defense recommending the use of the Jupiter C missile for an earlier satellite launch. In November 1957, the secretary of defense ordered ABMA to prepare the missile to launch a satellite as part of the IGY program.

"It was done in 89 days and the first shot fired was successful. Of course, that was a great achievement for the U.S. and for the Army," Moquin said. "Then the Jupiter system being developed by ABMA was turned over for development and ready for deployment in three years. It was a tremendously significant achievement."

Moquin played a big part in this achievement, having been assigned the task of organizing the new Army Ordnance Missile Command and briefing it in Washington, D.C. The AOMC, created in March 1958, was the largest field organization within any of the Army's technical services.

"It was all done on the quiet – very, very secret. I was given the order to put the structure together (for AOMC) that was envisioned by Medaris," Moquin said.

He served as AOMC chief management engineer. His organization of the command was the first step in putting together what is the Aviation and Missile Command today. The command included ABMA, Redstone Arsenal, the Jet Propulsion Laboratory and White Sands Proving Ground, N.M. Also, the Army Rocket and Guided Missile Agency created in April 1957 was a subordinate element of the command.

Eventually, JPL and White Sands were dropped from the command and most of the Army agency's scientists and engineers, including Von Braun's team, were transferred to the newly created National Aeronautics and Space Administration. Because of this transfer, Moquin decided to go back to work in private industry in 1959.

See Moquin on page 9

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# Army commends company for work on helicopter engines

## Overhauls were required for fleet bound for Bosnia

NEOSHO, Mo.— The Army has commended Sabreliner Corp.'s Neosho, Mo., facility for exceptional work in repairing and overhauling engines needed for a grounded fleet of 52 Kiowa Warrior helicopters slated for use in Bosnia.

Lt. Col. Bill Gavora, program manager,

and Art Ather, chief, Kiowa Warrior, Integrated Materiel Management Center, recently met with Sabreliner officials and technicians to thank them for their work, which meant that flight crews from Fort Stewart, Ga., and Fort Drum, N.Y., were able to accomplish their missions safely.

"The success of this mission was directly related to the extraordinary commitment, dedication and professionalism rendered by all the employees of this com-

pany," Gavora said.

The helicopters were grounded because of engine failures, resulting from sand and dust ingestion. Sabreliner's Neosho facility had been repairing T703 engines at a rate of three a month, but accelerated deliveries to five a month.

"During this crisis, the U.S. Army was faced with limited availability of the engines needed, and this challenge was overcome by Premier Turbines, a Sabreliner company," Gavora said. "The role of this company to support the U.S. Army and the Kiowa Warrior fleet is extremely important to our soldiers' welfare.

"Each person involved is vital to the success of our country's welfare. The employees' special sacrifices and dedication to duty have contributed to our ability to meet the challenges facing the Army today. Their dedication reflects great credit upon themselves and Premier Turbines."

The armed OH-58D Kiowa Warrior is a

single engine, four-bladed armed reconnaissance helicopter deployed in support of United States armed forces around the world

"This facility has a long history of providing important support to our country, from its early heritage as the producer of rocket engines for the space program through today, when we work on engines critical to the military, so this commendation is especially meaningful to us," Jim Robertson, general manager of the facility, said. "We have a highly skilled and deeply dedicated force of technicians here, and having Lt. Col. Gavora join us makes it an important day."

Sabreliner Corp. is a diversified aviation service, maintenance and modification firm serving a wide variety of government and corporate aircraft, engines, systems and components. The company and its subsidiaries have annual sales of \$250 million and more than 1,500 employees at 10 facilities in five states.



Photo by David Reddick

**PROMPT WORK**— Lt. Col. Bill Gavora, acting project manager for aviation and maintenance support systems, is interviewed by Gretchen Bolander of KODE Channel 12, Joplin, Mo., during recent visit to Sabreliner Corporation's Neosho, Mo., facility.

## Retired commanding general to receive Medaris Award

The Tennessee Valley Chapter of the National Defense Industrial Association has announced that retired Lt. Gen. Charles Eifler is the Medaris Award winner for 2000.

The award, given annually for excellence in support of national defense, recognizes distinguished recipients for lifetime achievement.

Eifler began his military career in 1936 as a second lieutenant in the Army Reserve. He entered active duty in 1940 and served in various units and echelons of the Army ground forces in Europe in World War II. He was the corps ordnance officer for the XVIII Airborne Corps in 1944 and later held that same position in VII Corps.

Eifler's association with the Army missile program began in 1948 at White Sands Proving Ground, N.M., where he

served as the executive officer and technical operations officer until 1951. In the early 1950s, Eifler was chief of the Guided Missile Section and chief of the Rocket Branch in the Research and Development Office, Chief of Ordnance.

His career included three tours at Redstone Arsenal: commandant, Guided Missile School, deputy commanding general, Land Combat Systems, MICOM; and after a tour in Vietnam, commanding general, MICOM.

The award will be presented by retired Maj. Gen. George Turnmeyer at the annual NDIA awards dinner April 24. The chapter will also present awards for excellence in defense management, and technical excellence. Recognition will be given to chapter scholarship recipients from Alabama A&M University, and the University of Alabama-Huntsville.



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■ Army launched nation's space program

**Moquin**

continued from page 7

"There was never a more exciting, significant three years with such great accomplishments than those three years developing the 1500-mile nuclear war-head missile," he said. "It was a phenomenal achievement."

Although he retired as chairman and chief executive officer of Teledyne Brown Engineering in 1989, Moquin serves on the board of directors of several organiza-

tions including Intergraph, Research Park and the University of Alabama at Huntsville Foundation.

"Wernher von Braun was one of the greatest scientists and leaders in the world and General Medaris was an outstanding military leader, he is a great hero of mine. I was privileged to work for him and with von Braun and the rest of his team."

*Editor's note: Redstone Arsenal will celebrate its 60th anniversary in July. The celebration will be part of Armed Forces Week July 23-27.*

**Suggestion**

continued from page 2

damage to a \$2,500 circuit card and other essential parts.

"Every time, something would get damaged," he said.

Once damaged, the system would then have to be sent out to be repaired, resulting in a significant loss of training assets, money and time. The modifications made by Roth eliminated the problem altogether.

"They estimated that the savings to the Army would be \$62,000 in one year," Roth said. The Army is now working to add his fixes to Javelin systems worldwide. And Roth should see a nice addition

to his paycheck soon.

But he's not selfish; he's not keeping all the money or credit to himself.

"I've pretty much decided to take my entire shop out to lunch," he said. "They have been so supportive of me. And honestly if I hadn't figured it out, one of the other instructors would have." And it's rumored that his wife and little girl also have plans for what's left of the money after the celebratory lunch.

"I would tell anyone, anywhere to send in any idea that they may have," Roth said. "The worst that they can say is, 'No.'"

And the best can be money lining your pockets.

For more information on the program log on at [www.cascom.army.mil/multi/project\\_smart](http://www.cascom.army.mil/multi/project_smart) or send an e-mail to [SMART@lee.army.mil](mailto:SMART@lee.army.mil).

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# Seeker goes to bat for captive flight test in Michigan

*Windy, snowy environment poses challenge for system*

By DAN O'BOYLE  
For the Rocket

Were it a Super Bowl commercial, it might begin, "Wazzzzup?"

And the answer: "a UH-60A 'Black Hawk,' complete with two engineers, an equipment rack stuffed with measurement monitors and a Pre-planned Product Improvement (P3I) Brilliant Anti-Armor (Bat) seeker."

Such was the "set" for the "commercial" this month in the 30-degree, wind-chilled, snow-covered Camp Grayling, Mich., test range.

P3I Bat staffers braved the elements in the "commercial" to test and prove the technology that the Army will use in the Objective Force.

"This is really a challenge for us and the P3I Bat," Lt. Col. Mark Rider, product manager, said. "Nonetheless, this is an environment that we'll have to operate in, so that's why we're here."

Rider, accompanied by Cindy Liddiard, test engineer, and Janet Ballard, lead engineer, recently completed three weeks with the help of "Chicken Little Project," Eglin Air Force Base and contractors from Northrop Grumman. The Michigan test was the P3I Bat's fifth and final captive flight test (CFT).

"Chicken Little" provided and operated the targets for the test. Northrop Grumman engineers worked software issues and prepared the seeker system for flight. ATACMS-Bat project engineer John Andrews was assisted by the AMRDEC's Sonja Reed and Tony Pollard who worked the CFT's data reduction numbers. CWO 2 Immanuel DeLaCruz and Tom Smith kept the Black Hawk at just the correct test altitude.

From pre-selected Bat deployment altitudes, the seeker worked its magic. That magic translates into data that will be used to build a database for optimizing the Bat's target aiming points.

Additionally, the P3I Bat seeker used its improved infrared, millimeter wave radar and acoustic sensors to autonomously locate and individually identify a variety of moving and stationary, hot and cold targets on the



Photo by Dan O'Boyle

**TEST TALK**— Bill Terrell, target coordinator, and Lt. Col. Mark Rider, P3I Bat product manager, check out a countermeasured T72 target at the Camp Grayling, Mich., test range during recent Captive Flight Testing.

snowy test range.

CFT data gathered in the winter environment will also be analyzed to evaluate the Bat's performance against countermeasures.

"CFT five will provide the data needed to assess the P3I Bat's seeker in its infrared and millimeter wave aspects," Rider said. "By analyzing the seeker's ability to detect, acquire and track targets in CFT five, we will be able to improve the seeker's ability to engage targets. CFT five is the epitome of partnering. Working with Northrop Grumman and the Chicken Little Joint Project from Eglin Air Force Base, we will be able to develop a truly awesome system."

The P3I Bat is slated for fielding with the ATACMS Block II in fiscal 2005. The Block II missile will live up

to its Deep Strike name by flying 87 miles to dispense 13 P3I Bats deep in enemy territory.

"The P3I Bat is an ideal choice against armored vehicles, and surface-to-surface missiles in convoys, dispersed formations, assembly areas and 'shoot-and-scoot' scenarios," Col. Kelley Griswold, ATACMS/Bat project manager, said. "It gives commanders the capability to shape the battlefield at significant ranges."

The Bat's hit-to-kill shaped charge allows precision kill with minimal collateral damage.

The P3I Bat will be further tested at the White Sands Missile Range, N.M., this summer and fall when it is actually dropped from a Cessna airplane. Next spring it will be fired from an MLRS launcher as part of a Block II missile.



Photo by Dan O'Boyle

**BAT AWAY**— A UH-60A, piloted by CWO 2 Immanuel DeLaCruz and Tom Smith, lifts off for Captive Flight Test five at Camp Grayling. The white box mounted on the side of Bearcat 8 contains the P3I Bat seeker to test look-down search, detection and acquisition capabilities.

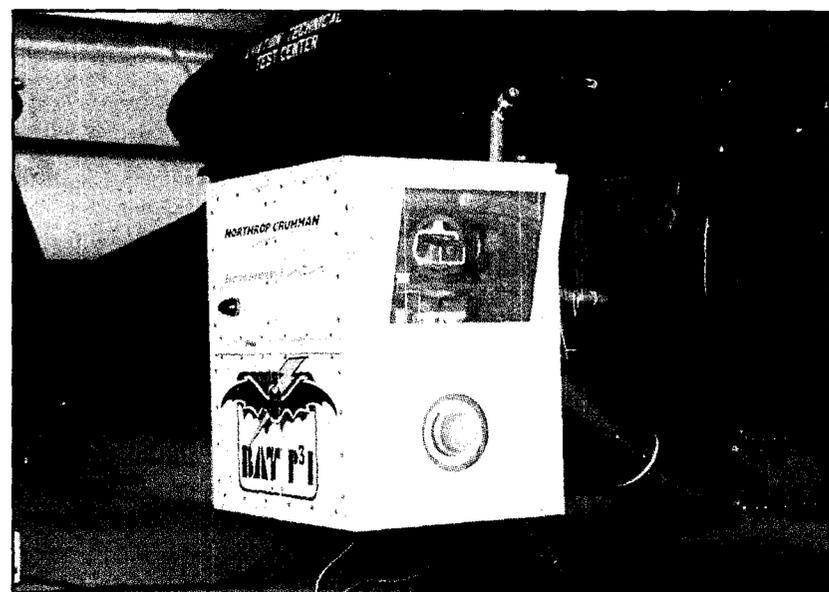


Photo by Dan O'Boyle

**BLACK HAWK WITH BAT**— Northrop Grumman's P3I Bat seeker recently completed its fifth Captive Flight Test aboard a UH-60A Black Hawk at Camp Grayling. The aircraft's crew compartment was filled with equipment and two Northrop engineers, who collected data and monitored the test.

■ Parade opens children's month

# Child

continued from page 1

A seminar titled "Helping Children Move" will be held 6-8 p.m. April 2 at ChildWise, building 1413 on Nike Street.

Other activities include Health and Safety Parent Day, April 4; Child and Youth Services Staff Appreciation, 6-7 p.m. April 5 at the Firehouse; Talent Show, 6:30-8:30 p.m. April 6 at Youth Services building; Child Abuse Training,

6-8 p.m. April 9 at the Challenger Club; SCAN (Stop Child Abuse and Neglect) Puppet Show, 9 a.m. April 10 at Child Development Center; Parent Sharing Talent and Reading, April 11; Easter Egg Hunt, 10 a.m. April 14 at Youth Services; Olympic Day, 10 a.m. April 20 at the Babe Ruth ball field; Block Party, 1-2 p.m. April 21 at Youth Services; and Bring Your Trike Day, 9:30 a.m. April 24 at the Child Development Center.

For more information, call McDonald at 313-3735 or 876-7952.



Photo by Sgt. Sharon McBride

## Having a ball

Maj. Gen. Mitchell Stevenson, center, chief of Ordnance, greets guests in the reception line at the 2001 Ordnance Ball held March 16. Stevenson is flanked by CSM Collin Harewood, command sergeant major of Ordnance Missile and Munitions Center and School, and Becky Taylor, wife of Col. Stephen Taylor, commandant of OMMCS. The ball culminated the Worldwide Ammunition, Missile, and TMDE Conference and opened a yearlong 50th anniversary celebration for OMMCS.

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# Arsenal firefighter settles unfair labor complaint.

## Seniority provision revised in command-union contract

By BETH SKARUPA  
Staff writer

Is it fair for a new employee to get seniority over others just because he's a union representative? That's the question Hal Meadows, a Redstone firefighter, asked when he filed an Unfair Labor Act against the Aviation and Missile Command and the American Federation of Government Employees Local 1858 last year.

"I thought it was an infringement on my employee rights that a union official could come here and have seniority in the purpose of requesting annual leave even though I've been here 16 years," Meadows said.

He filed the complaint with the Federal Labor Relations Authority after failing to get the response he desired by going through the appropriate channels.

In November, Meadows signed a settlement agreement with AMCOM stating that the agency would not enforce the seniority provisions for union officials concerning seniority in overtime and annual leave in the contract and would not seek to include such provisions in future negotiated contracts.

"My only comment (about the agreement) is that the FLRA made a determination and it seemed to me at that stage that we either have to accept it or run the risk of having a full-blown hearing and it probably would not be decided differently. So I thought it was in the best interest of the command to settle the case," LeRoy Daniels, AMCOM civilian personnel officer, said.

Although Meadows agreed to drop his complaint



Photo by Beth Skarupa

**FAIR FIGHTING**— Hal Meadows, a Redstone firefighter, recently settled his complaint about an unfair labor practice with the Aviation and Missile Command and the American Federation of Government Employees Local 1858.

under these conditions, the union did not agree to the settlement at the time.

"Some of our people did want us to pursue the matter and so I consulted with our attorney in Atlanta. We came

to the conclusion that it would not be in our best interests to pursue the matter in court," Jim Brothers, AFGE Local 1858 president, said. "We can't really justify giving union members seniority under the present circumstances and it was the right thing to do, so I convinced our people to settle."

The union and Meadows signed a settlement agreement Feb. 28. Meadows withdrew his complaint after the union agreed not to enforce the seniority provisions for union officials and not to include those provisions in future contracts.

"When our contract was negotiated 18 years ago, the situation was entirely different then. There were more blue-collar jobs at Redstone than today and there was a different view of seniority at the time. Now that it's been contested, we will abide by it," Brothers said.

Although Meadows was the only one listed on the complaint, he said that Art Murtha, an inspector at the fire department, and firefighter J.D. Shelton were instrumental in helping him get the paperwork together for it.

"My main goal was to not have union officials at the top of the (seniority) list just because they were union officials — that their names should fall on the list just like everybody else according to the date they came in," Meadows said. "I've been here 16 years and I'm not at the top of the seniority list, but this puts me closer. Now I'll have a chance at getting there."

"I would like to add that I think union officials should get some type of recognition from the union for all the work that they do. Because they do do good work. It's just that they shouldn't punish everybody else by putting them on top of the seniority list," he said.

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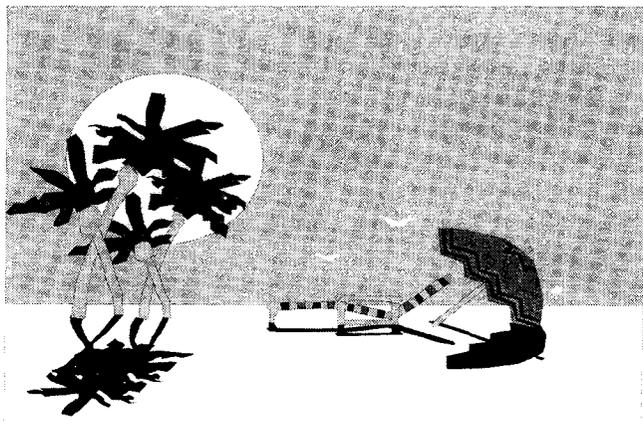
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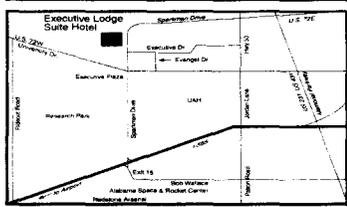
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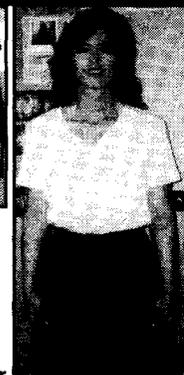
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# Announcements

## Sports & Recreation

### Bowling center

Stop by the Bowling Center and register for the Peterson Point summer handicap league. The league begins April 19 at 6 p.m. with an organizational meeting at 5. Three new Triton Heat bowling balls will be awarded to the first place team and one to the bowler with the most individual points. Redstone Lanes will also award \$250 of MWR money for additional awards. Teams must have three members and a combined score of no more than 570. League fees are \$7.50 per week. Call 876-6634 for registration. Rocket Lanes is now open Thursday from 9 a.m. to 10:30 p.m. and Friday from 9 a.m. to midnight. Open bowling is held all day for \$1.25 per game; and lunch is served from 11 a.m. to 1 p.m. Call 876-6634 or drop by building 3707 for more information.

### Retired military golfers

The retired military golfing community of North Alabama is undertaking the establishment of a "Rocket City Retired Military Golf Classic" in Huntsville during June. Each year for the past many years, several areas within the United States having military bases have held such golf tournaments. Redstone Arsenal, for the first time, is planning to host this form of an annual tournament. The "Rocket City Retired Military Golf Classic" is expected

to grow to approximately 400 golfers. The local courses they will be challenging include Redstone Arsenal Golf Course, Colonial Golf Course, and Twin Lake Golf Course. All courses are within a short drive of Huntsville proper and have agreed to support the inaugural outing. This event is scheduled for June 12-14; and participants will be traveling from many regions of the United States. Retired Lt. Gen. Jim Link is the tournament director, and Gerald Whitsell has been appointed chairman for this event. Should you choose to participate in this event, flyers are located at the Pro Shop on Redstone Arsenal. The tournament secretary and treasurer is Dee Thonus 721-9537.

### Holes in one

The following golfers had a Hole-in-One at Redstone Golf Course: On March 17, Joanne "Jody" Terek on Hillside No. 6, 103 yards. She used a 9-iron. Witnessing were Lee D. Foster, Irvin Stuckey and Thomas Compton. On March 10, Douglas Edwards on Meadowview No. 7, 172 yards with an 8-iron. Witnesses were Warren Narrow and Craig Martin.

### Arena 2 football

The Tennessee Valley Vipers Booster Club invites everyone to the 2001 Arena 2 Football Kickoff Party/Pep Rally, April 5 at 4 p.m. at Holiday Inn (Research Park), Hopper's Club. For more information, call 851-2670.

## Conferences & Meetings

### Logistics support symposium

The Joint-Government/Industry Supportability Information Exchange Symposium 2001 will be held May 7-11 at the Bob Jones Auditorium and the Huntsville Hilton. Pre-registration is under way through April 9. Check and credit card payments are the only method of pre-registering for the \$75 fee. Cash payments will only be accepted at the door, and they will require the payment of a \$100 fee. For more information, call Emerson McAfee 955-0808 or go to the following web site: [www.logsa.army.mil/alc/conf/index.htm](http://www.logsa.army.mil/alc/conf/index.htm).

### Variability reduction workshop

The Aviation and Missile Command will sponsor the "Variability Reduction Workshop," April 18-19 at Bob Jones Auditorium. The workshop will provide an applications-oriented overview of the concepts and tools of variability reduction. There is no charge, and contractor participation is encouraged. Sponsorship for the workshop is provided by the Research Development and Engineering Center's Engineering Directorate. The overall administration of the workshop, including registration, is provided by the University of Alabama-Huntsville Systems Management and Production Laboratory. A tentative agenda and registration requirements are available on-line at the below website.

You may call the workshop hotline 876-2628 or visit the workshop website at <http://smaplab.ri.uah.edu/vr/>.

### Genealogy workshop

A workshop on genealogy, sponsored by the North Alabama Chapter of the Afro-American Historical and Genealogy Society and the State Black Archive, will be held April 21 at 9 a.m. at Alabama A&M University, School of Business, multi-purpose room. Scheduled speaker is author Millie McGee. Registration is \$15, payable to North Alabama Chapter, Afro-American Historical and Genealogy Society, P.O. Box 11754, Huntsville 35814. Deadline is April 15. For more information, call 852-3376 or 881-7999.

### Communicators club

The Universal Communicators Club, International Training in Communication, will hold its next monthly meeting at 5 p.m. April 12 at building 5301, conference room 1148. The education for this month is "Secrets of Successful Speakers." For more information, call Janice Isbell 313-4216.

### Targets program review

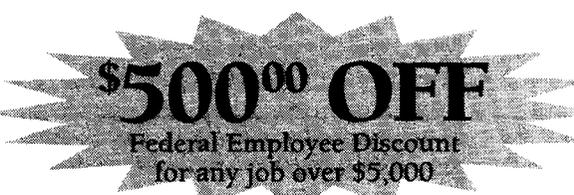
The PMITTS Targets Management Office will hold a triannual program review April 4 from 10 a.m. to 4:30 p.m. at building 3201, the corner of Hercules Road and Mauler Road. For more information, call Teresa Tucker 876-9301.

See Announcements on page 15



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<p>THE BROTHERS (R) (1:10 1:40 4:10 4:40) 7:10 7:40 9:40 10:10 12:05</p> <p>HEARTBREAKERS (PG-13) (1:40 4:15) 7:05 9:35 12:00</p> <p>SAT IT ISN'T SO (R) (1:15 4:15) 7:15 9:35 12:00</p> <p>15 MINUTES (R) (1:30 4:15) 7:00 9:30 12:00</p> <p>GET OVER IT (PG-13) (4:20) 9:50</p> <p>EXIT WOUNDS (R) (1:15 4:35) 7:40 10:05 12:20</p> <p>ENEMY AT THE GATES (R) (1:00 4:00) 7:00 9:40 12:10</p> <p>THE MEXICAN (R) (1:00 4:00) 7:00 9:45 12:15</p> <p>SEE SPOT RUN (PG) (1:10 4:10) 7:25 9:30</p> <p>CROUCHING TIGER (PG-13) (1:35 4:35) 7:10 9:45 12:15</p> <p>SWEET NOVEMBER (PG-13) (1:20) 7:20</p> <p>DOWN TO EARTH (PG-13) (1:30 4:30) 7:30 10:00 12:05</p> <p>HANNIBAL (R) (1:20 4:30) 7:15 9:55</p> <p>CHOCOLAT (PG-13) (1:35 4:20) 7:10 9:45</p> <p>CAST AWAY (PG-13) (1:05 4:05) 7:05 10:00</p> <p>O BROTHER, WHERE ART THOU? (PG-13) (1:25 4:25) 7:25 9:55</p> <p>SAVE THE LAST DANCE (PG-13) (1:25 4:25) 7:15 9:40</p> <p>TRAFIC (R) (1:05 4:05) 7:00 9:50</p>	<p>HEARTBREAKERS (PG-13) (1:30 4:30) 7:30 9:55</p> <p>SAT IT ISN'T SO (R) (1:20 4:20) 7:20 9:55</p> <p>15 MINUTES (R) (1:15 4:15) 7:15 10:00</p> <p>CARMAN: THE CHAMPION (PG-13) (1:00 3:10 5:10) 7:30 9:40</p> <p>SEE SPOT RUN (PG) (1:25 4:25) 7:25 9:45</p> <p>CROUCHING TIGER (PG-13) (1:30 4:30) 7:30 10:00</p> <p>DOWN TO EARTH (PG-13) (1:35 4:35) 7:35 10:05</p> <p>RECESS: SCHOOL'S OUT (G) (1:10 3:10 5:10) 7:10 9:35</p> <p>THE WEDDING PLANNER (PG-13) (1:20 4:20) 7:20 9:30</p> <p>FINDING FORRESTER (PG-13) 7:10 9:45</p> <p>CAST AWAY (PG-13) (1:00 4:00) 6:50 9:40</p> <p>WHAT WOMEN WANT (PG-13) (1:05 4:05) 7:05 9:40</p> <p>THE EMPEROR'S NEW GROOVE (G) (1:10 4:10)</p>	
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# Announcements

## Civil air patrol

The Redstone Squadron of the Civil Air Patrol will have its next meeting of cadets and senior members April 10 at 6 p.m. in the Civil Air Patrol building on Redstone Airfield. Guests and those interested in membership are welcome. For more information, call Bob Brandau 726-6638 during the day or 539-0736 in the evening.

## Asian Pacific committee

A meeting will be held at 1:30 p.m. Friday in the EEO Office conference room, building 5300, room 5130, to discuss plans for the Asian Pacific American Heritage Month celebration in May. For more information call Clarenza Clark, Asian Pacific American Program manager, 313-2825.

## Sergeants major

The Sergeants Major Association will hold its monthly meeting April 19 from 6:30-7:30 in the morning at the Radisson Suite Hotel on South Memorial Parkway. For more information, call Sgt. Maj. Bob Furia 842-9770.

## Resource managers

The American Society of Military Comptrollers will hold a luncheon at 11:30 a.m. April 12 at Trinity Personal Growth Center, Airport Road. Scheduled speaker is Paul Bogosian, deputy for the Program Executive Office for Aviation. Cost is \$9 for members, \$10 non-members. For reservations call Lisa White 955-6806.



## Miscellaneous

## Chapter scholarships

The Redstone Arsenal Chapter, International Association of Administrative Professionals (IAAP) will award two \$500 scholarships, one to a local high school student and one to a college student majoring in business administration. The application may be picked up at your high school counselor's office or by contacting Arnita Lee, arnita.lee@redstone.army.mil or Susan Douglas 876-7806, susan.douglas@redstone.army.mil.

## Charity campaign

The Tennessee Valley Combined Federal

Campaign is accepting applications from non-profit organizations for participation in the 2001 fund-raising campaign. Under federal law, an organization must have 501 (c) (3) status, proof of human health and welfare services, an annual audit/IRS 990 Form, and a board of directors. The open period for acceptance of application packages continues through April 6. This fund-raising campaign encompasses federal, military, retired federal, and government contractors from Madison, Morgan, Marshall, Limestone, Cullman and Lawrence counties as well as Lincoln County, Tenn. Funds are allocated based on employee designations. For more information or to obtain an application, call Melinda Seigler, CFC director, United Way of Madison County, 536-0745, ext. 108.

## Panoply volunteers

Huntsville's Festival of the Arts, Panoply, needs volunteers. The festival, sponsored by the Arts Council, is scheduled April 27-29 in Big Spring Park. There are various shifts available, especially in the children's areas. If you would like to volunteer your time for a community effort, call Eura Reaves 842-6949 or Brenda Balch 519-2787.

## Aviation scholarships

The Army Aviation Association of America's national scholarship foundation will award more than \$250,000 in scholarships, grants and interest-free loans for academic year 2001. AAAA members, their spouses, unmarried siblings, and unmarried children of current or deceased members are eligible. For an application kit or more information call AAAA National (203) 222-9863 or Jack Bertelkamp, chapter vice president for scholarship, at 964-8460 extension 103.

## Flu shots

Fox Army Health Center has flu shots available. It isn't too late to be immunized. The Centers for Disease Control in Atlanta identifies the flu season as through April. It takes an average of 1-2 weeks for your body to build an immunity. Military beneficiaries may receive shots at the Immunization Clinic at Fox.

See Announcements on page 16

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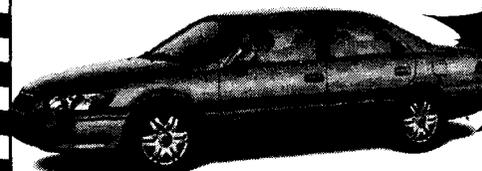
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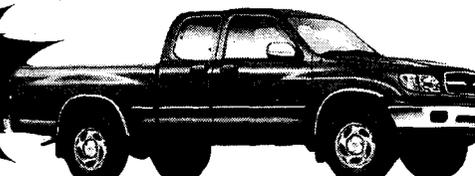
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# Announcements

876-5595. Its hours of operation are Monday, Tuesday, Wednesday and Friday from 8-11 a.m., 1-3 p.m. and Thursdays from 8-11 a.m. Department of Defense employees may get their shots at Occupational Medicine at Fox, 876-8831. Hours of operation are 7 a.m. to 3:30 p.m. Active duty may check with the Troop Medical Clinic, 876-4990, for more information.

## Parents seminar

"Helping Children Move," a seminar for parents, teachers and counselors, will be held 6-8 p.m. April 2 at ChildWise, 1413 Nike St. To register for free child-care, call Army Community Service 876-5397.

## Military child's month

The MWR Child and Youth Services will

hold the annual Month of the Military Child kickoff parade, April 2 at 10 a.m. The event will begin at the Child Development Center, building 3145. The parade route will go around Bicentennial Chapel to the Youth Services (building 3148) and back to CDC. All children of the CDC, staff, and the Redstone community are invited to participate. For information call Evelyn Carnes or Shellie McDonald 313-3699 or 313-3735.

## Newcomers orientation

Learn about Redstone Arsenal by attending Army Community Service's "Newcomers' Orientation" from 8:30 a.m. to noon April 3 at building 3447. The orientation features speakers, information booths, and a bus tour of Redstone Arsenal. Participants receive \$5 in MWR bucks redeemable at any MWR activity. Free child-care is provided at the Child Development Center, building 3145. Child's shot records are required. Attendance at the orientation is mandatory for all permanently assigned military. Spouses are welcome to attend. For more information call Mary Breeden, relocation assistance program manager, 876-5397.

## Catholic community

Our Lady of the Valley, Catholic community at Bicentennial Chapel will hold Stations of the Cross at 6 p.m. every Friday during Lent. Soup supper will follow Sta-

tions of the Cross on March 30. Weekend mass is held at 5 p.m. Saturday and 9:30 a.m. Sunday.

## German restaurant

Mayfest is coming to the Soldatenstube. The restaurant will hold a 5K and 10K Volksmarch, so make your plans now to attend. The Soldatenstube is now serving homemade German cakes and pastries, Schwartzwalder Kuchen, Strudel, German Chocolate cake, Paris Brest, and more. Stop by each Thursday for the \$5.95 lunch special or for the \$11.95 Wednesday Night Family Buffet (5-8:30 p.m.). Call 881-5181 or 830-CLUB for details or reservations.

## Technology expo

The Redstone Arsenal/AMCOM Technology Exposition 2001 will be held today from 10 a.m. to 2 p.m. at the Officers and Civilians Club. More than 20 exhibitors will demonstrate the latest technology products and services. The event, sponsored by the Small Business Office, is open to all Army, DoD and contractor personnel. Refreshments will be served.

## Computer sale

Marshall Space Flight Center will hold a retail sale on computer systems April 4, from 10 a.m. to 1 p.m., at the Intergraph complex in building 21. Inspection of the computers will be that morning from 7 a.m. to 10 a.m. See Announcements on page 17



Photo by Chaplain (Col.) Christen Anderson

## Planting season

Members of Redstone Boy Scout Troop 308 help plant 150 cypress trees in a wetland along the Flint River on March 10. The event was sponsored by the Tennessee Valley Authority and the Flint River Conservation Association.

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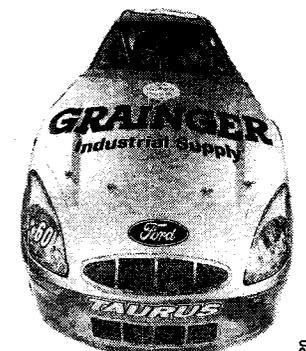
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# Announcements

7:30-9:45. For more information call 544-4667, Frank Hyatt 544-2536 or Brian Caden 544-3866.

## Auction

Marshall Space Flight Center will hold an auction April 5, from 9 a.m. to 3 p.m., at building 8025. Inspection of the items will be April 3-4 from 8 a.m. to 3 p.m., and on the day of the sale from 7-8:45 a.m. For more information call 544-4667, Frank Hyatt 544-2536 or Brian Caden 544-3866.

## Intelligence jobs

Positions vacancies with the Defense Intelligence Agency, Missile and Space Intelligence Center are posted on the DIA web site. Application for employment in MSIC are accepted based on open job announcements. The web site address is: <http://www.dia.mil>. Select "Main Page," and then "Employment." Select and review "Current Vacancies," "Application Instructions," "Submission Information," "Conditions of Employment" and other information (to include forms). Position vacancies with MSIC will reflect "MS" in the announcement number and the location as Redstone Arsenal (Huntsville), Ala. Applicants must ensure that all instructions and procedures are followed. For more information, you may also call the DIA recorded vacancy announcement line 1-800-526-4629. There are currently two vacancies posted on the web site: Vacancy Announcements 01-MS-001885-CT, Senior Intelligence Analyst (Prod Mgmt), GG-132-14 and 01-MS-002061-CT, Senior Intelligence Analyst (General Engineer), GG-801-14. Other employment information for MSIC may be obtained by calling 313-7879.

## Tobacco cessation

Fox Army Health Center/Public Health and Education Center will offer another series of tobacco cessation classes, starting April 17. The class will be offered at 5 p.m. Tuesdays for 10 one-hour sessions over two and a half months at Fox Army Health Center. These classes are free and limited to military eligible beneficiaries. To register call the Public Health and Education Center, Fox Army Health Center, 842-0196. For more information call Eileen Bailey 842-0149. Space is limited.

## AER campaign

Upcoming fund-raisers for the Army Emergency Relief campaign include the following: March 29 - Provost Marshal Office's AER Jail at building 5300; for information call SFC Hokanson or Sgt. Exferd 842-2400. Corporate Information Center's Popcorn Sale in conjunction with the AER Jail, building 5300 from 8 a.m.

to 4 p.m.; for information call Sgt. Maj. Jackson or Ms. Sharpe 955-9399. April 5 - Business Management Directory Bake Sale, orders will be taken; for information call Ms. Jefferson 842-7950. CIC Popcorn Sale at building 5301; for information call Ms. Sharpe 955-9399. Short-Range Missile Directorate (Avenger Team) Car Wash, building 5301 from 8 a.m. to 3 p.m.; for information call W. Palmer or Mr. McCrary 313-1094. April 16-30 - the Command Analysis Directorate's annual book sale for AER, from 11 a.m. to 1 p.m., in building 5300, Sparkman Center, on the second floor by the elevators. Several new hardbacks by authors such as, Nora Roberts, Sidney Sheldon, Tami Hoag, Mary Higgins Clark and Patricia Cornwall will be available. They will accept donations of books, books-on-tape, CDs, DVDs and videotapes until April 23. If you have items to donate, call Brian Barry 842-9909.

## Prayer breakfast

The April Nondenominational Prayer Breakfast sponsored by the IMMC will be held April 24 at 7 a.m. in the Sparkman Center, building 5308, conference room 8124. No food or drinks will be served, but you may bring your own. Everyone is welcome. For more information, call Clifton Canady 955-7224.

## Moonbuggy race

A record number of teams is preparing to compete in Marshall Space Flight Center's eighth annual "Great Moonbuggy Race," April 6-7 at the U.S. Space and Rocket Center. For more information, call Evert Turner of Marshall Center's Education Programs 544-5920.

## Thrift shop

The Thrift Shop features gently used items such as clothing, books, toys, tools, furniture and most anything you might find around your home. It is currently featuring Easter items. The shop is open from 9 a.m. to 4 p.m. Wednesdays and Fridays, 9 a.m. to 5 p.m. Thursdays and from 10 a.m. to 2 p.m. on the first Saturday of each month. If you are interested in donating items, consigning items or volunteering, call 881-6992.

## College fund banquet

The 23rd annual United Negro College Fund banquet will be held 6:30 p.m. April 12 at the Von Braun Center, North Hall. Liz Hurley of television channel 48 is scheduled mistress of ceremonies. General admission is \$50, and student admission \$25. For tickets call the UNCF office 726-7584/7236.



# UAH Professional Development

## Certificate Programs/Series

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Basics of Contract Management • May 14-18 **One-Week Format!**  
Web Publisher • Begins May 21  
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Pro/ENGINEER • Begins June 18  
C Programming • Begins June 18  
Java Certificate Exam Review • Begins July 9  
MCSE Windows 2000 • Begins Aug 6

## Computer Training

Dreamweaver Fundamentals	Apr 2-5 • M-Th • 4:30-9:30pm • 21010309N
Implementing & Administering a Microsoft Windows 2000 Network Infrastructure	Apr 2-12 • M-Th • 4:30-8:50pm • 21010326N
Hosting and Promoting Your Web Site	Apr 9-11 • M-W • 8am-Noon • 21010311N
XML and Java	Apr 9-12 • M-Th • 5:30-8:30pm • 21010332N
Object Oriented Analysis & Design with UML	Apr 9-13 • M-F • 8am-Noon • 21010298N
Microsoft Office 2000 Update	Apr 16-17 • M-T • 9am-4pm • 21010317N
Advanced Programming with Microsoft Visual C++ & MFC	Apr 16-27 • M-F • 8am-Noon • 21010341N
Oracle Networking	Apr 17-26 • T-Th • 5:30-8:50pm • 21010322N
Adobe Photoshop: Advanced Topics	Apr 23-26 • M-Th • 8am-Noon • 21010350N
Introduction to Flash	Apr 30- May 3 • M-Th • 4:30-9:30pm • 21010340N
Implementing & Administering a Microsoft Windows 2000 Directory Services Infrastructure	Apr 30- May 10 • M-Th • 4:30-8:50pm • 21010327N
Embedded Systems Programming	May 14-25 • M-F • 8am-Noon • 21010330N
CCNA Accelerated Exam Prep	May 14-18 • M-F • 8am-5pm • 21010355N OR June 11-15 • M-F • 8am-5pm • 21010356N
Oracle Database Backup & Recovery	May 15-24 • T-Th • 5:30-8:50pm • 21010319N
Intro to Hypertext Markup Language: How to Create World Wide Web Pages	May 21-24 • M-Th • 4:30-9:30pm • 21010508N
Designing a Microsoft Windows 2000 Directory Services Infrastructure	June 4-14 • M-Th • 4:30-8:50pm • 21010328N
Fundamentals of Oracle8	June 4-14 • M-Th • 5:30-9:30pm • 21010509N
Introduction to Linux	June 4-15 • M-F • 8am-Noon • 21010517N
Introduction to Java Programming	June 12-28 • T&Th • 5:30-8:50pm • 21010518N
Fundamentals of Drawing & Part Design Using Pro/ENGINEER	June 18-July 18 • M-W • 6-9:20pm • 21010506N
Web Graphics	June 18-21 • M-Th • 5:30-8:30pm • 21010510N
Fundamentals of C	June 18-29 • M-F • 8am-Noon • 21010515N
Designing Security For a Microsoft Windows 2000 Network	July 9-19 • M-Th • 4:30-8:50pm • 21010329N
Managing a Linux Server	July 9-20 • M-F • 8am-Noon • 21010519N
Java 2 Programmer Certification Exam Review	July 9-25 • M&W • 5:30-8:30pm • 21010524N
PL/SQL Programming Concepts & Techniques	July 10-19 • T-Th • 5:30-8:50pm • 21010511N
Advanced Java Programming	July 17- Aug 2 • T&Th • 5:30-8:50pm • 21010520N
Visual Basic Programming For the Oracle Database	July 23- 27 • M-F • 8am-5pm • 21010560N
Fundamentals of C++	July 23- Aug 3 • M-F • 8am-Noon • 21010516N
Advanced Hypertext Markup Language (HTML) Installing, Configuring & Administering	July 24- Aug 2 • T-Th • 5:30-8:50pm • 21010512N
Microsoft Exchange 2000 Server	Aug 6-16 • M-Th • 4:30-8:50pm • 21010333N
Oracle Forms 6.0	Aug 6-23 • M-Th • 5:30-8:50pm • 21010530N
Enterprise Java	Aug 7-23 • T&Th • 5:30-8:50pm • 21010522N
Basic Assembly Design Using Pro/ENGINEER	Aug 7-30 • T-Th • 6-9:20pm • 21010507N
Java 2 Developer Certification Exam Review	Aug 13-29 • M&W • 5:30-8:30pm • 21010525N
Hosting & Promoting Your Web Site	Aug 27-30 • M-Th • 5:30-8:30pm • 21010514N

## Engineering Technologies

RF and MMW Seeker Technology	Apr 2-6 • M-F • 8am-Noon • 23010122N
Modeling & Simulation of Radar Systems	Apr 16-20 • M-F • 8am-Noon • 23010551N
Advanced Radar Signal Processing Techniques	June 18-22 • M-F • 8am-Noon • 23010552N

## Management Training

Required & Optional Contract Clauses	Apr 2-23 • M • 6-9pm • 23010062N
Procurement/Purchasing Process Essentials	Apr 3-10 • T • 6-9pm • 23010068N
ISO 9000-2000 Internal Audits	Apr 26-May 17 • Th • 5:30-8:30pm • 23010052N
Charger Blue: Project Management Simulation	Apr 28-May 12 • Sa • 8am-3:00pm • 23010066N
Elements of Contract Administration	Apr 30-May 21 • M • 6-9pm • 23010065N
Basics of Contract Management (One Week Format)	May 14-18 • M-F • 8:30am-4:30pm • 23010344N

## High School Computer camps

Bit, Byte, Busted- Fixing Your PC	June 4-15 • M-F • 9am-1pm • 21010604N
Network Needed?	June 18-22 • M-F • 9am-1pm • 21010600N
I Learned Visual Basic This Summer	June 25-29 • M-F • 9am-1pm • 21010601N
There's No Place Like Your Homepage	July 9-20 • M-F • 9am-1pm • 21010599N

Project Management Fundamentals & Basics of Contract Management  
July 23 - 27 • Columbus, GA August 20 - 24 • Ft. Walton, FL

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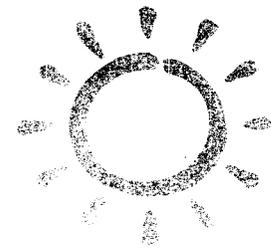
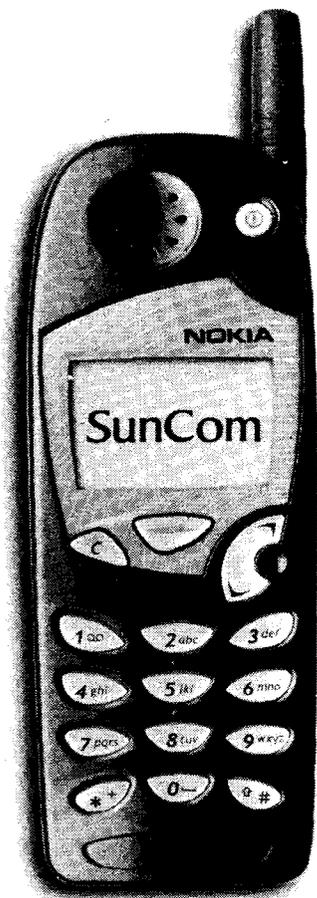
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